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MAR 15 2006

FACSIMILE COVER SHEET

DATE: March 15, 2006

TO: Examiner Djura Malevic

COMPANY OR FIRM: PTO

FACSIMILE NO.: (571) 273-8300

FROM: Beth Pearson-Naul for Kaushik P. Sriram

RE: Serial No.: 10/730,552
Docket No.: 584-35673-US
Title: "Method and Apparatus for Determining the Thermal Neutron Capture Cross-Section of a Subsurface Formation From a Borehole"

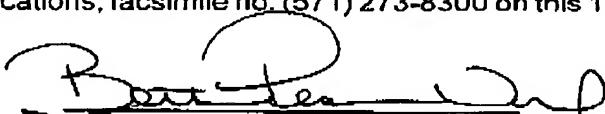
NUMBER OF PAGES INCLUDING THIS COVER SHEET: 12

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Attached herewith is a Response to Office Action dated December 16, 2006 for the above-referenced patent application.

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Beth Pearson Naul

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | |
|---|---|-------------------------------|
| APPLICANT: W. Allen Gilchrist et al. | § | Group Art Unit: 2884 |
| SERIAL NO.: 10/730,552 | § | |
| FILED: December 8, 2003 | § | Examiner: Malevic, Djura |
| TITLE: "Method and Apparatus for Determining the Thermal Neutron Capture Cross-Section of a Subsurface Formation from a Borehole" | § | Confirmation No.: 1482 |
| | § | Atty Docket No.: 584-35673-US |
| | § | |

RESPONSE TO OFFICE ACTION OF 16 DECEMBER 2005

This is in response to the office action 16 December 2005. Reconsideration of the application is respectfully requested in view of the comments below. Amendments to the claims start on page 2 of this document. Remarks start on page 8 of this document.